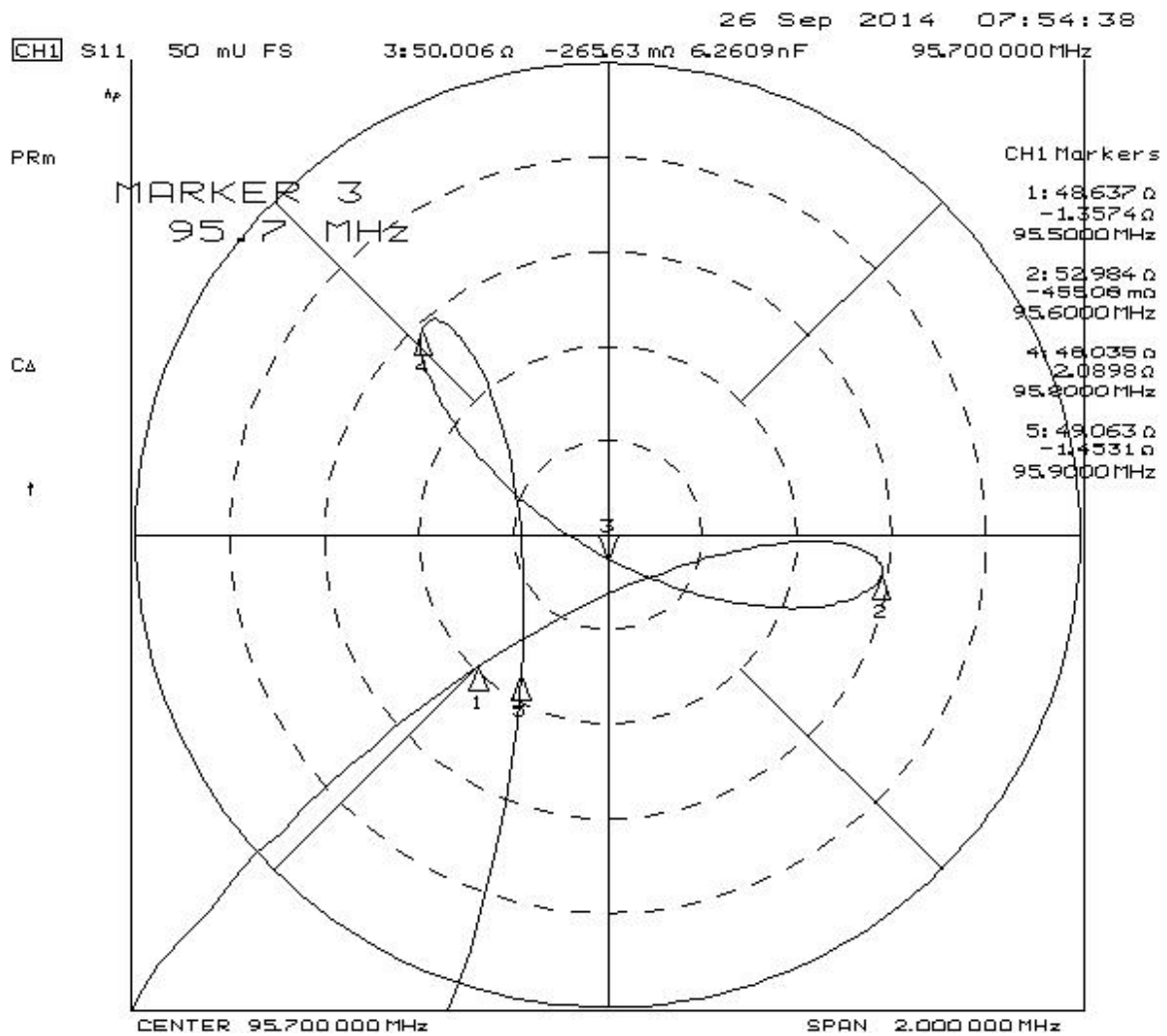


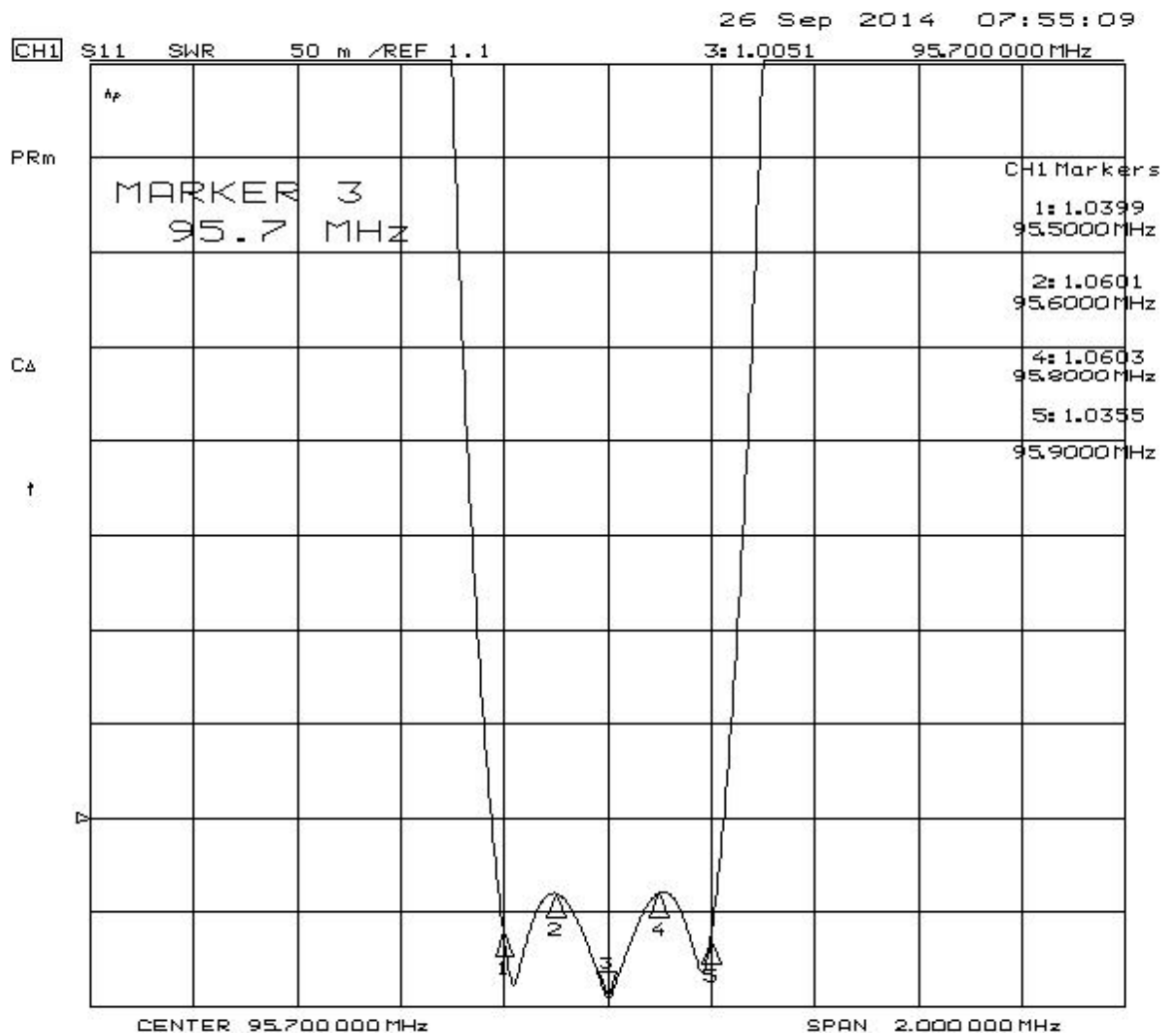
EXHIBIT 11B

SHIVELY COMBINER DATA

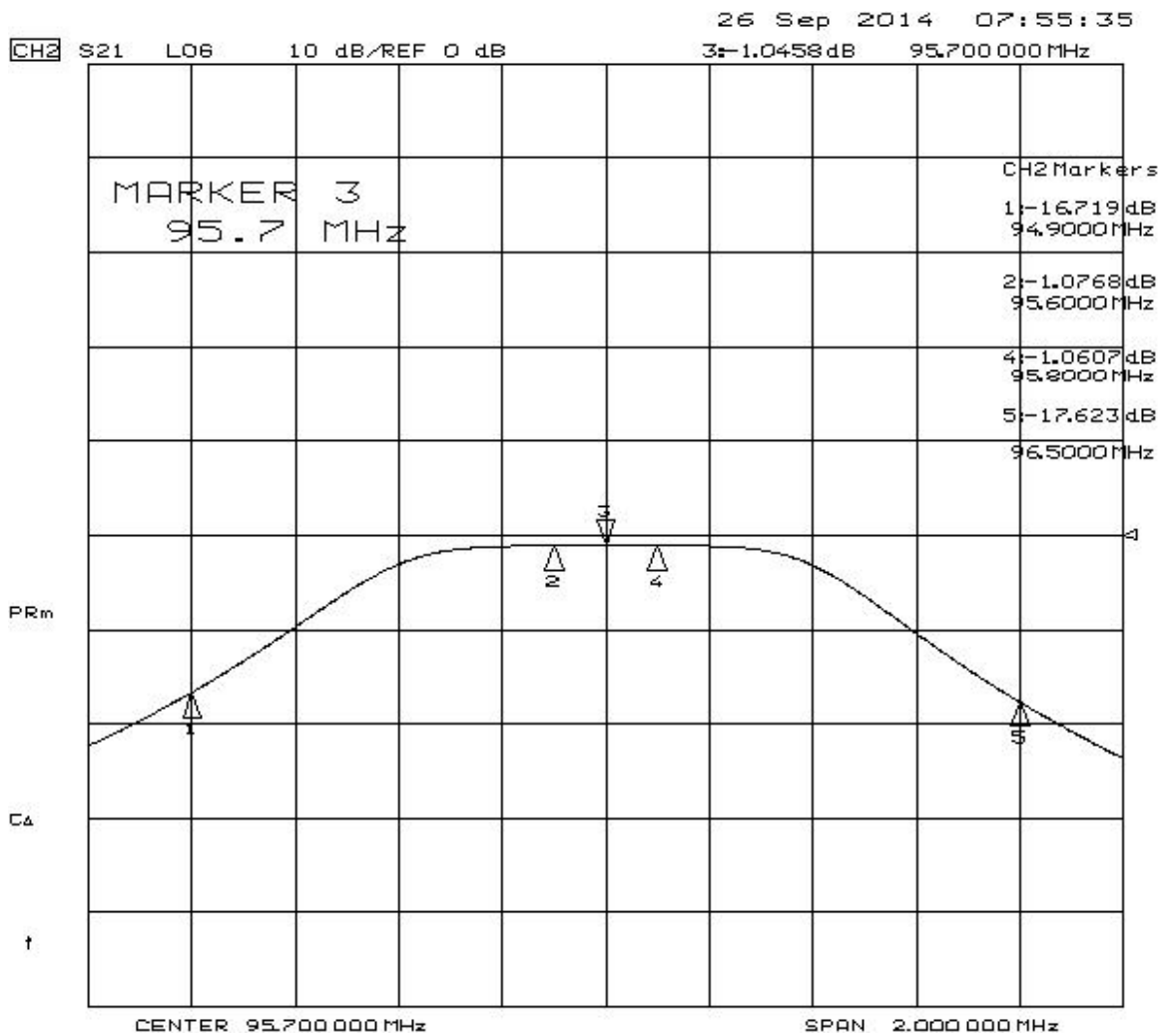
32075
2930-2/3-04
2 station VLP branched combiner



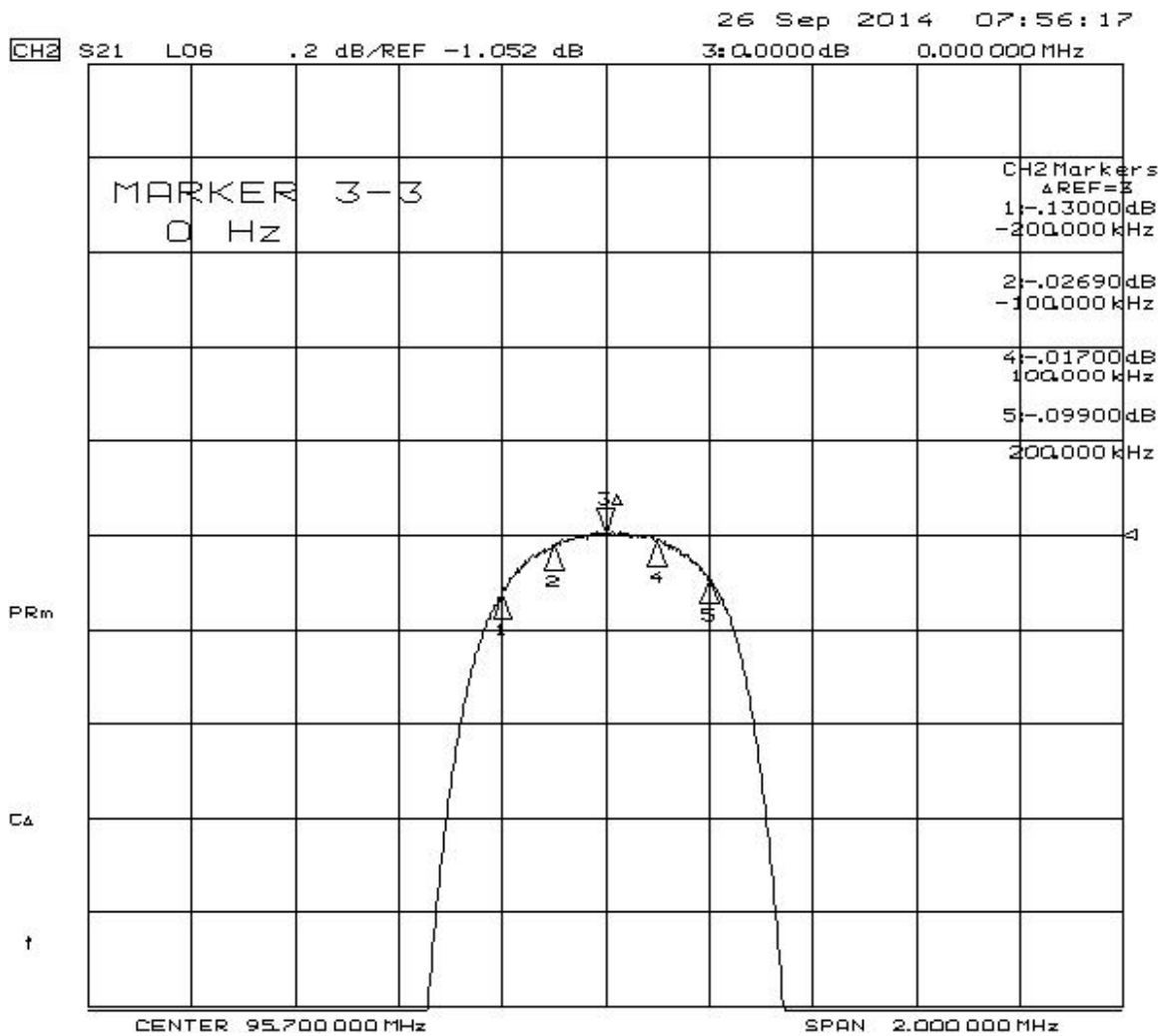
32075
2930-2/3-04
2 station VLP branched combiner



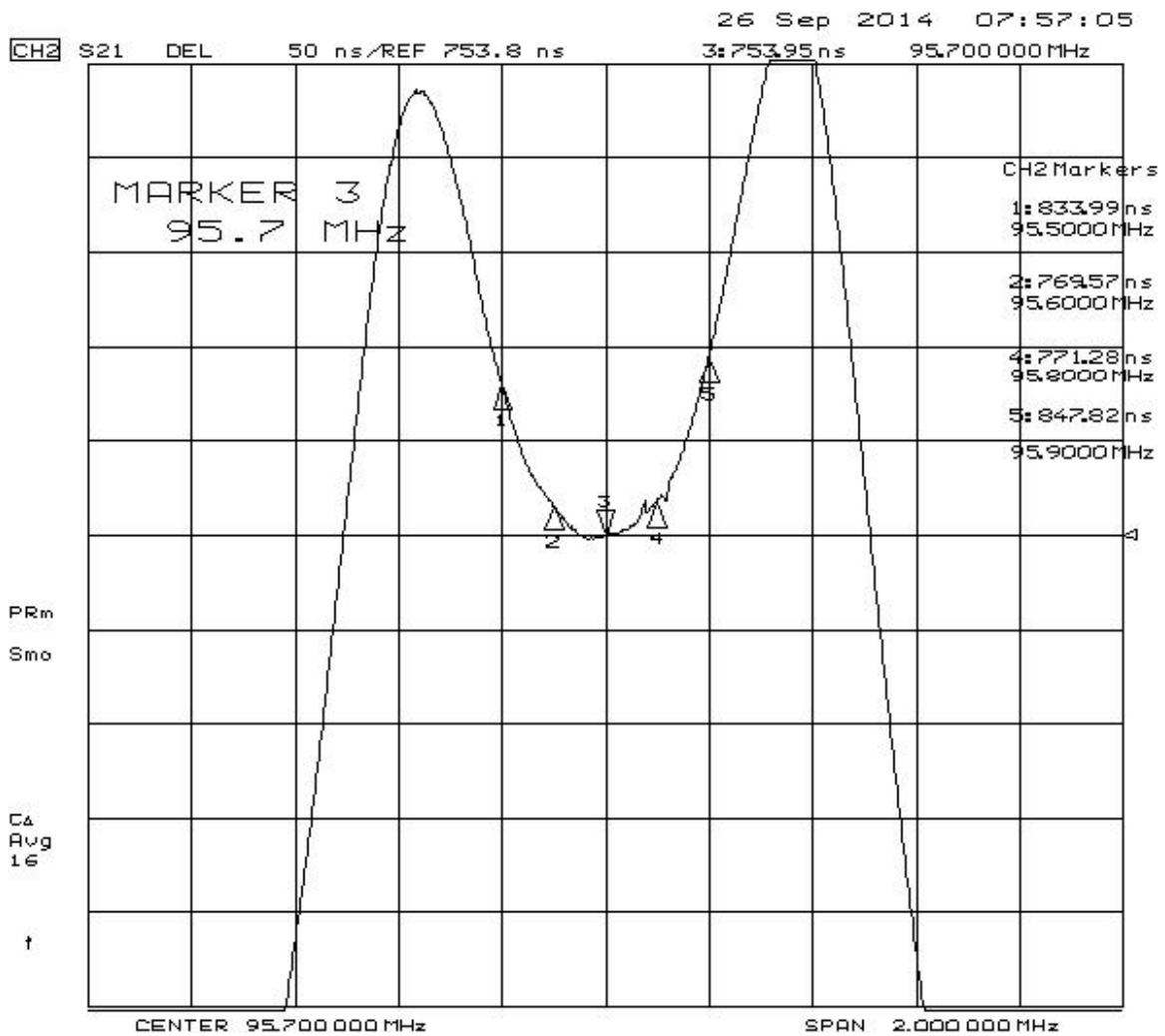
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2930-2/3-04
2 station VLP branched combiner



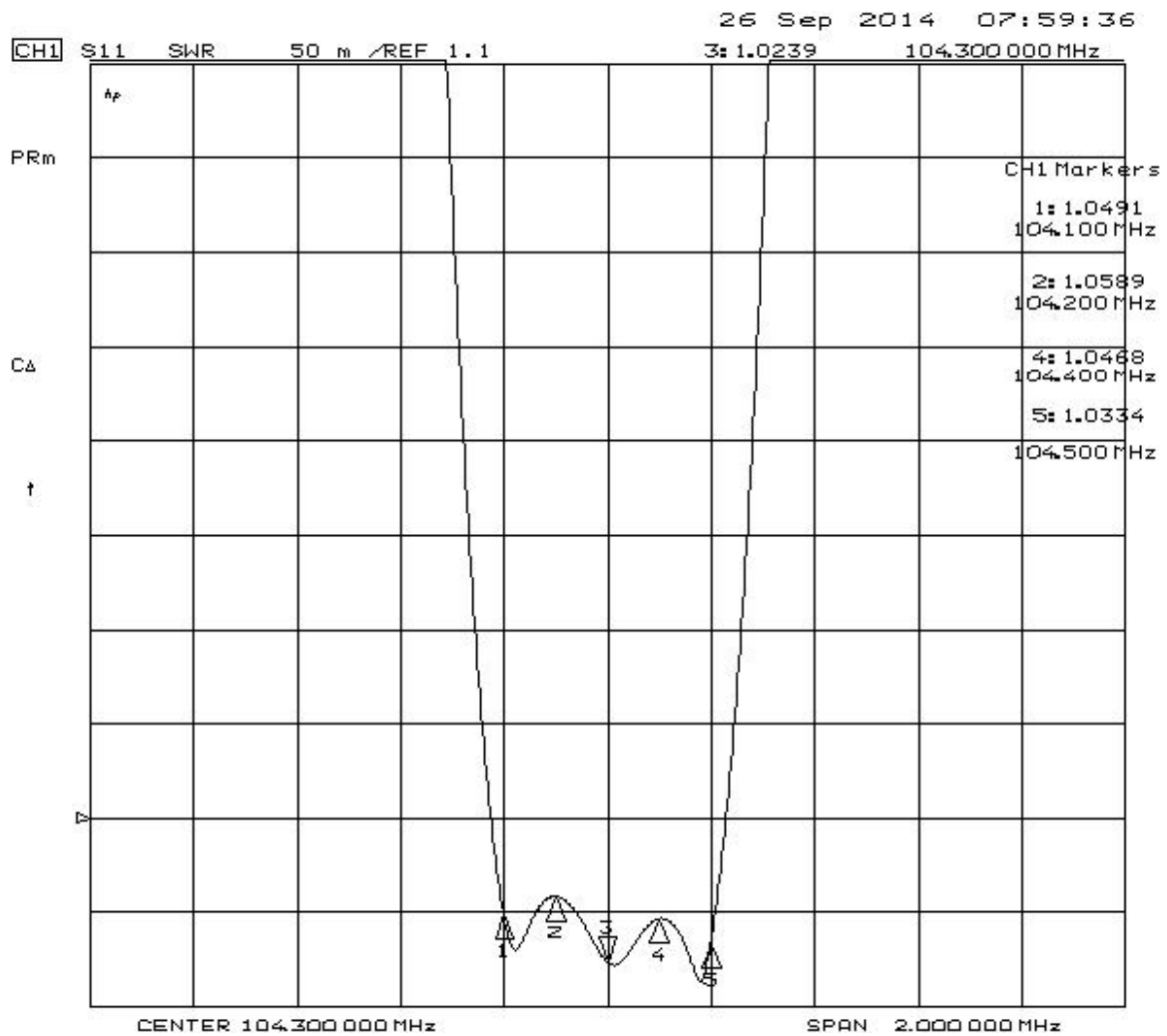
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2930-2/3-04
2 station VLP branched combiner



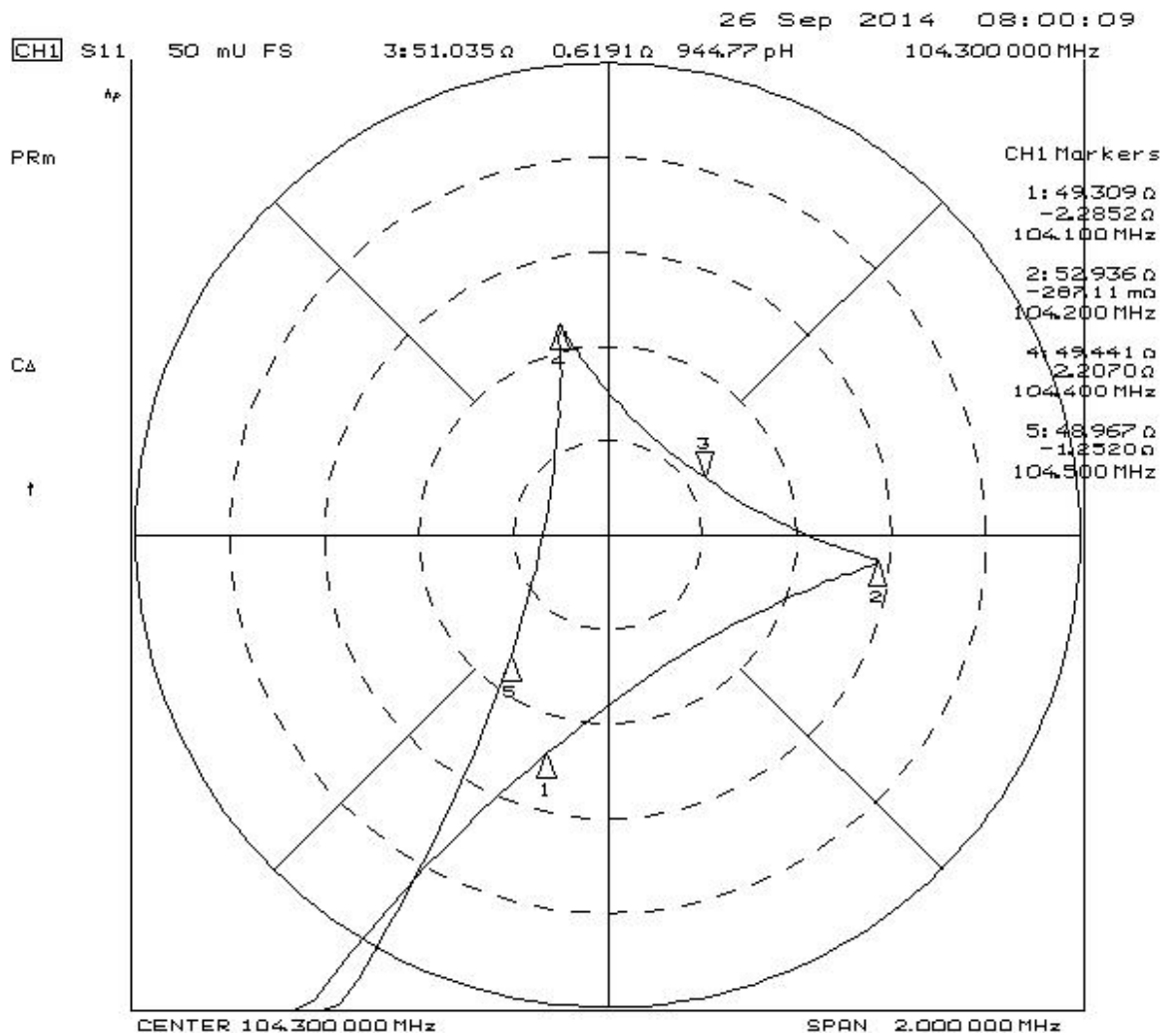
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2 station VLP branched combiner



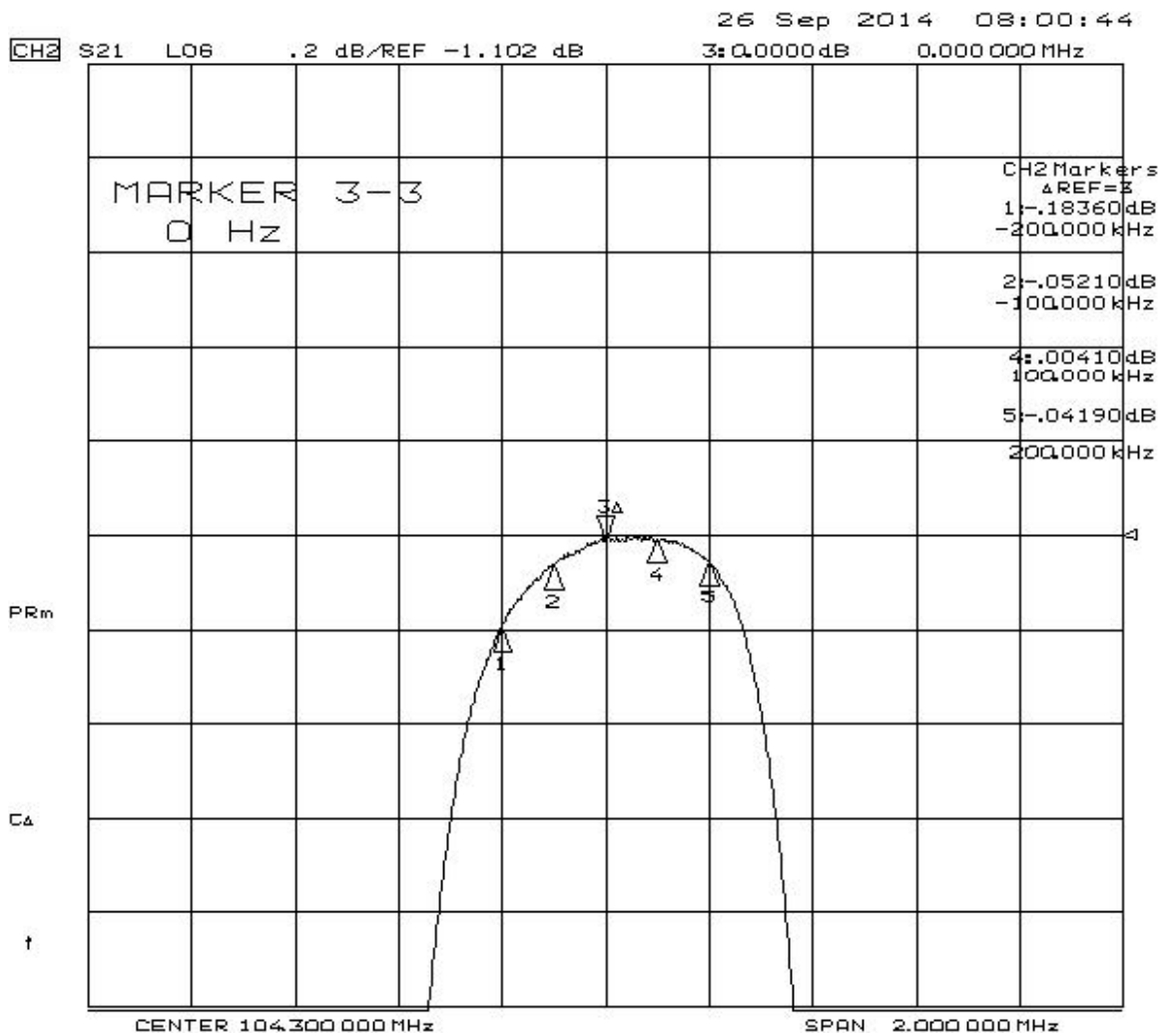
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2 station VLP branched combiner



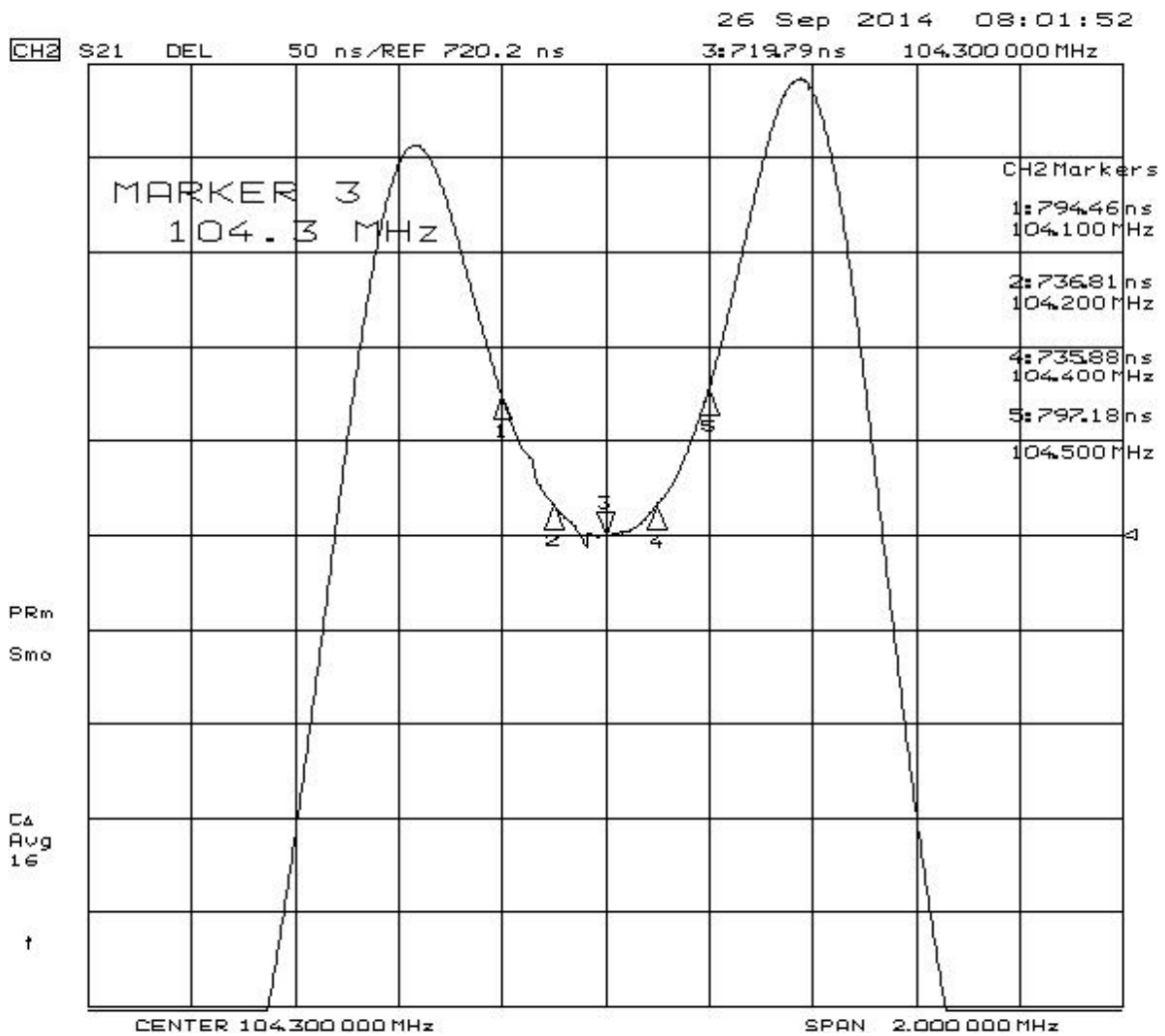
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2930-2/3-04
2 station VLP branched combiner



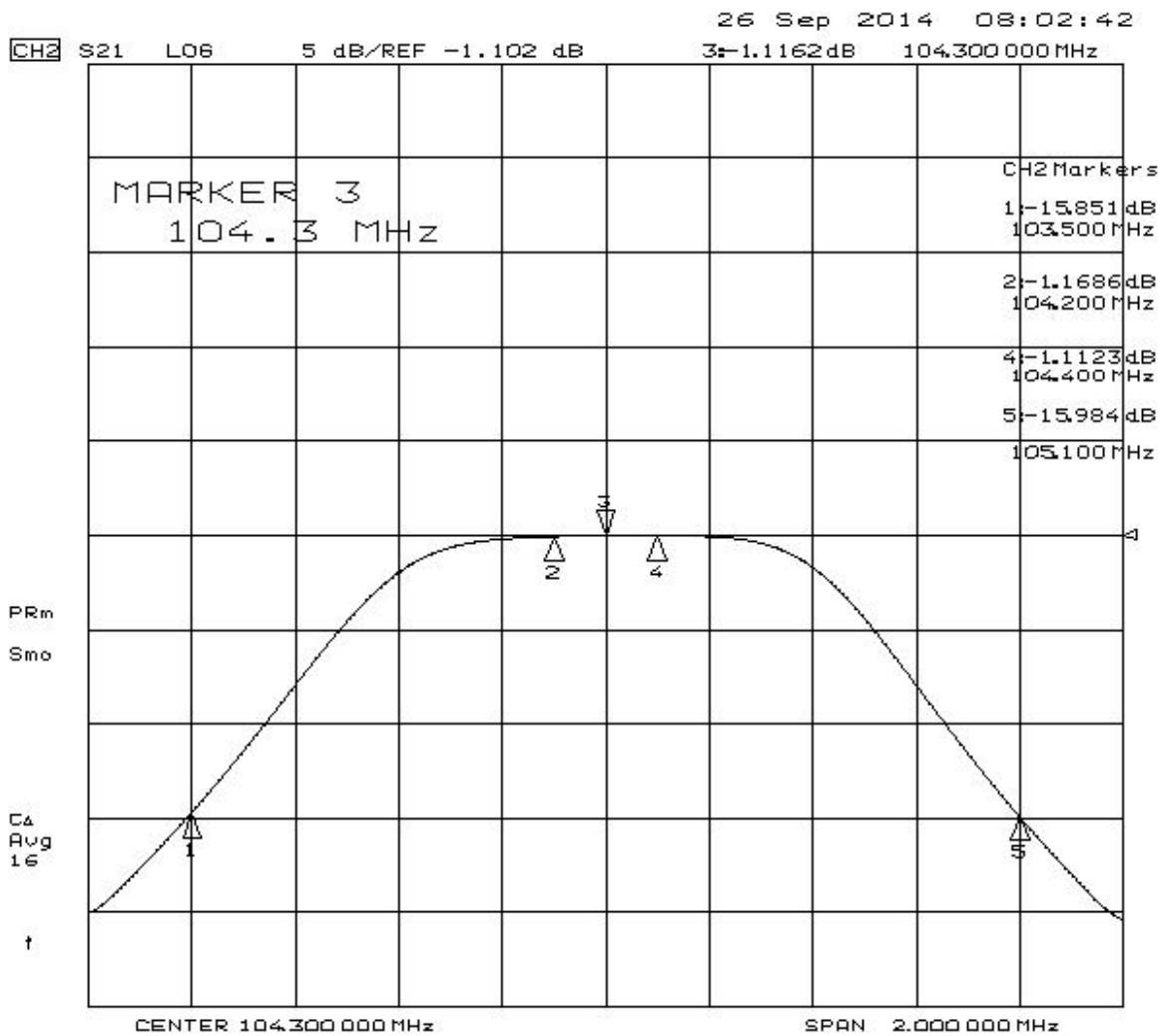
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2930-2/3-04
2 station VLP branched combiner



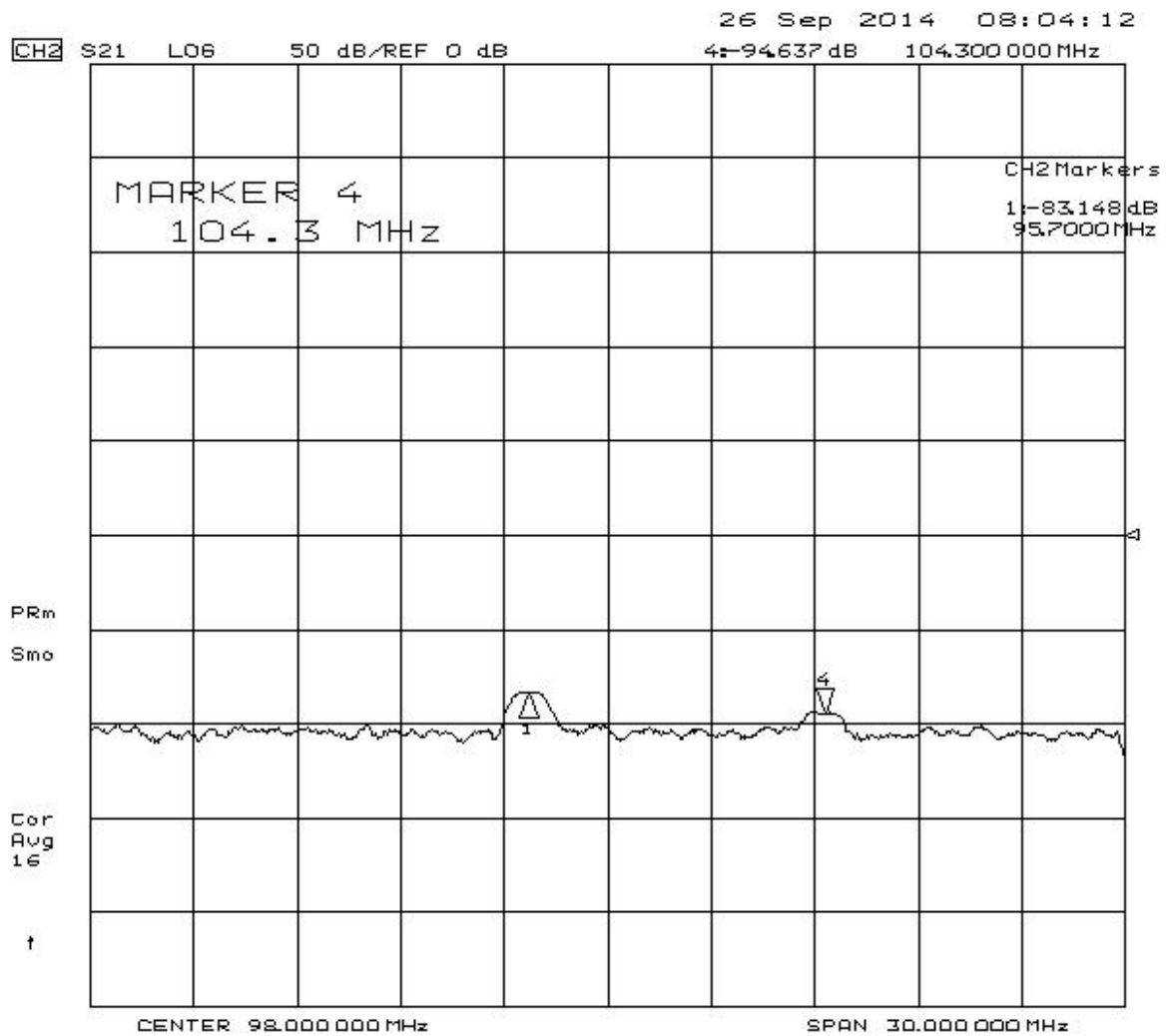
32075
2930-2/3-04
2 station VLP branched combiner



32075
2930-2/3-04
2 station VLP branched combiner



32075
2930-2/3-04
2 station VLP branched combiner



Model 2930 two- and three-station low-power branched combiners

	Model 2930-2/3	Model 2930-2/4	Model 2930-3/3	Model 2930-3/4
No. of Stations:	2	2	3	3
Frequency Spacing:	≥ 0.8 MHz	≥ 0.8 MHz	≥ 0.8 MHz	≥ 0.8 MHz

Performance specifications:

		Model 2930-2/3	Model 2930-2/4	Model 2930-3/3	Model 2930-3/4
Typical VSWR	at \pm 100 kHz:	1.06:1		1.06:1	
	at \pm 150 kHz:	1.05:1		1.05:1	
	at \pm 200 kHz:	1.08:1		1.08:1	
Typical insertion loss:		-1.15 dB	-1.5 dB	-1.15 dB	-1.5 dB
Typical frequency response (deviation from center frequency)	at \pm 100 kHz:	-0.05 dB		-0.05 dB	
	at \pm 150 kHz:	-0.15 dB		-0.15 dB	
	at \pm 200 kHz:	-0.20 dB		-0.20 dB	
		Model 2930-2/3	Model 2930-2/4	Model 2930-3/3	Model 2930-3/4
Typical group delay (deviation from center frequency)	at \pm 100 kHz:	20 nsec	25 nsec	20 nsec	25 nsec
	at \pm 150 kHz:	40 nsec	50 nsec	40 nsec	50 nsec
	at \pm 200 kHz:	100 nsec	150 nsec	100 nsec	150 nsec
Typical bandwidth:		\pm 200 kHz		\pm 200 kHz	
Power rating:		Per-station limit of 850 W.			

Description:

	Model 2930-2/3	Model 2930-2/4	Model 2930-3/3	Model 2930-3/4
Type:	Convection-cooled resonant cavity			
Size:	4-inch			
No. of cavities per station:	3	4	3	4
Inputs:	Type "N"			
Outputs:	to 1.5 kW: "Type "N"; above 1.5 kW: 7-16 DIN			



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